

ABSTRACT

A controller equipment includes a measuring unit for measuring channel qualities of a control channel and a user channel separated from a received signal, an updating unit for updating target circuit qualities for the control channel and the user channels, based on results of measurement of the channel qualities by the measuring units, a communicating unit for communicating, in a predetermined period, the updated target circuit qualities for the control channel and the user channel, and a target circuit quality determining unit for determining a target circuit quality for the received signal, based on the target circuit qualities for the control channel and the user channel communicated from the communicating unit, so that all of the control channel and user channels satisfy a required channel quality. When the channel quality of the control channel satisfies a predetermined condition, the communicating unit communicates at least the target circuit quality for the control channel, and the target circuit quality determining unit determines a target circuit quality for the received signal, based on the communicated target circuit quality for the control channel.